

What is claimed is:

1. A mixture phosphor comprising:
a phosphor of a red luminous color devoid of Cd; and
5 a phosphor of a green family luminous color devoid of Cd,
wherein a luminous color of the mixture phosphor is one of warm colors ranging from greenish yellow, yellow, yellowish orange, orange and reddish orange and red.
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2. The mixture phosphor of claim 1, wherein the phosphor of the red luminous color is a SrTiO_3 -based phosphor.
3. The mixture phosphor of claim 1, wherein the phosphor
15 of the red luminous color is $\text{SrTiO}_3\text{:Pr}$.
4. The mixture phosphor of claim 1, wherein the phosphor of the red luminous color is $\text{SrTiO}_3\text{:Pr,Al}$.
- 20 5. The mixture phosphor of claim 1, wherein the phosphor of the green family luminous color is ZnS:Cu,Al phosphor or ZnS:Au,Al phosphor, and a mixing ratio of the phosphor of the green family luminous color is about 5 to about 70wt% of the mixture phosphor.
- 25 6. The mixture phosphor of claim 1, wherein the phosphor

of the green family luminous color is ZnS:Cu phosphor or ZnS:Cu,Au,Al phosphor, and a mixing ratio of the phosphor of the green family luminous color is about 5 to about 50wt% of the mixture phosphor.

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7. The mixture phosphor of claim 1, wherein the phosphor of the green family luminous color is ZnGa₂O₄:Mn phosphor, and a mixing ratio of the phosphor of the green family luminous color is about 5 to about 50wt% of the mixture phosphor.

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8. A fluorescent display device comprising:
a vacuum envelope including:
an anode electrode formed by pasting the phosphor of
claim 1 on an anode conductor; and
an electron source, for radiating electrons, arranged
in a vacuum envelope.

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9. A fluorescent display device comprising:
a vacuum envelope including:
an anode electrode formed by pasting the phosphor of
claim 2 on an anode conductor; and
an electron source, for radiating electrons, arranged
in a vacuum envelope.

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10. A fluorescent display device comprising:

a vacuum envelope including:
an anode electrode formed by pasting the phosphor of
claim 3 on an anode conductor; and
an electron source, for radiating electrons, arranged
5 in a vacuum envelope.

11. A fluorescent display device comprising:
a vacuum envelope including:
an anode electrode formed by pasting the phosphor of
10 claim 4 on an anode conductor; and
an electron source, for radiating electrons, arranged
in a vacuum envelope.

12. A fluorescent display device comprising:
15 a vacuum envelope including:
an anode electrode formed by pasting the phosphor of
claim 5 on an anode conductor; and
an electron source, for radiating electrons, arranged in a
vacuum envelope.

20 13. A fluorescent display device comprising:
a vacuum envelope including:
an anode electrode formed by pasting the phosphor of
claim 6 on an anode conductor; and
25 an electron source, for radiating electrons, arranged in a
vacuum envelope.

14. A fluorescent display device comprising:

a vacuum envelope including:

an anode electrode formed by pasting the phosphor of
claim 7 on an anode conductor; and

5 an electron source, for radiating electrons, arranged in a
vacuum envelope.